APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/780,300	02/17/2004	Edward K. O'Neil	BEAS-01448US1	9756

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EXAMINER
JACKSON, JAKIEDA R

ART UNIT	PAPER NUMBER
2626	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
Office Action Summary	10/780,300	O'NEIL ET AL.	
	Examiner	Art Unit	
	JAKIEDA R. JACKSON	2626	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☐ Responsive to communication(s) filed on _____.
2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) <u>1-43</u> is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) <u>1-43</u> is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on <u>2/17/04</u> is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a) ☐ All b) ☐ Some * c) ☐ None of:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____.
      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 101

1.   35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

2.   Claim 29 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claim 29 is drawn to a signal as recited in the preamble and as such is non-statutory subject matter. Claims that recite nothing but the physical characteristics of a form of energy, such as a frequency, voltage, or the strength of a magnetic field, define energy or magnetism, per se, and as such are nonstatutory natural phenomena. O'Reilly, 56 U.S. (15 How.) at 112-14. Moreover, it does not appear that a claim reciting a signal encoded with functional descriptive material falls within any of the categories of patentable subject matter set forth in § 101.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4.   **Claims 1-43** are rejected under 35 U.S.C. 102(e) as being anticipated by Secor et al. (PGPUB 2005/0027845), hereinafter referenced as Secor.

Regarding **claim 1**, Secor discloses a method for dynamically binding a user interface to information (dynamic GUI's; paragraphs 0131, 0078), comprising:

specifying with a first language (scripting language) a first action (action; paragraphs 0057, 0212-0214);

specifying with a second language (scripting language) a first data source associated with the first action (paragraph 0057);

rendering output with a third language (HTML) based at least partially on the first action (paragraph 0037);

wherein the second language is embedded (embedded) in the first language (paragraph 0120); and

wherein the first action (action) can set or get (get) the first data source (paragraph 0166).

Regarding **claims 2, 16 and 31**, Secor discloses a method wherein:

the first language allows for the specification of JavaServer Page action elements (javaserver; paragraphs 0082, 0094).

Regarding **claims 3, 17, 32**, Secor discloses a method wherein:

the second language is based on the Javascript language (scripting language; paragraph 0057).

Regarding **claims 4, 18 and 33** Secor discloses a method wherein: the first data source identifies one of: 1) an object field; 2) an object property; (object; paragraph 0035) and 3) an Extensible Markup Language document element.

Regarding **claims 5, 19 and 34**, Secor discloses a method wherein:

an object is a JavaBean (javabeans; paragraph 0194).

Regarding **claims 6, 20 and 35**, Secor discloses a method wherein:

the first data source is one of: 1) an array (array; paragraphs 0236-0237); 2) a list

(list; paragraph 0166); 3) a map.

Regarding **claims 7, 21 and 36**, Secor discloses a method wherein:

the third language can include at least one of: Hypertext Markup Language

(HTML; paragraph 0037), Dynamic HTML, Extensible HTML, and Extensible Markup

Language.

Regarding **claims 8, 22 and 37**, Secor discloses a method wherein:

the first action can be a child of another action (action tree, organization

structure, data layer; paragraph 0035).

Regarding **claims 9, 23 and 38**, Secor discloses a method wherein:

the first action can have at least one child action (action tree, organization

structure, data layer; paragraph 0035).

Regarding **claims 10, 24 and 39**, Secor discloses a method wherein:

the at least one child action can have at least one other child action (action tree,

organization structure, data layer; paragraph 0035).

Regarding **claims 11, 25 and 40**, Secor discloses a method wherein:

the at least one child action can selectively process the first data source (action

tree, organization structure, data layer; paragraph 0035).

Regarding **claims 12, 26 and 41**, Secor discloses a method wherein:

the at least one child action can refer to the first data source with a context

defined by the first action (action tree, organization structure, data layer; paragraph

0035).

Regarding **claims 13, 27 and 42**, Secor discloses a method wherein:

the at least one child action can perform at least one of the following actions on

the first data source: 1) set; 2) get (get; paragraph 0194); 3) sort; and 4) filter.

Regarding **claims 14, 28 and 43**, Secor discloses a method comprising:

rendering a list (list) or a table based on the first data source (paragraph 0166).

Regarding **claim 15**, Secor discloses a machine readable medium (machine)

having instructions stored thereon that when executed by a processor (processes)

cause a system (paragraph 0085) to:

specify with a first language (scripting language) a first action (action; paragraphs

0057, 0212-0214);

specify with a second language (scripting language) a first data source

associated with the first action (paragraph 0057);

render output with a third language (HTML) based at least partially on the first

action (paragraph 0037);

wherein the second language is embedded (embedded) in the first language

(paragraph 0120); and

wherein the first action (action) can set or get (get) the first data source

(paragraph 0166).

Regarding **claim 29**, Secor discloses a computer data signal embodied in a transmission medium, comprising:

a code segment including instructions to specify with a first language (scripting language) first action (action; paragraphs 0057, 0212-0214);

a code segment including instructions to specify with a second language (scripting language) a first data source associated with the first action (paragraph 0057);

a code segment including instructions to render output with a third language (HTML) based at least partially on the first action (paragraph 0037);

wherein the second language is embedded (embedded) in the first language (paragraph 0120); and

wherein the first action (action) can set or get (get) the first data source (paragraph 0166).

Regarding **claim 30**, Secor discloses a software framework (software system; paragraph 0018) for rendering at least one object on a user interface, comprising:

a first language (scripting language) capable of specifying a first action (action; paragraphs 0057, 0212-0214);

a second language (scripting language) capable of specifying a first data source associated with the first action (paragraph 0057);

a third language (HTML) capable of rendering output based at least partially on the first action (paragraph 0037);

wherein the second language is embedded (embedded) in the first language (paragraph 0120); and

wherein the first action (action) can set or get (get) the first data source

(paragraph 0166).

Conclusion

5.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to JAKIEDA R. JACKSON whose telephone number is

(571)272-7619. The examiner can normally be reached on Monday-Friday from

5:30am-2:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David Hudspeth can be reached on 571-272-7843. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JRJ
September 9, 2008
/David R Hudspeth/
Supervisory Patent Examiner, Art Unit 2626